

# **METHOD FOR SUPPORTING MULTIPLE DEVICES ON A HIGH SPEED PHYSICAL LINK**

## **ABSTRACT OF THE DISCLOSURE**

5           In some embodiments, a method for supporting multiple devices on a high speed  
physical link may be described. An embedded device may assert a link request pin to  
request to transmit data on a multi-point communications link that may serve a plurality of  
embedded devices. A controlling device may receive the link request signal. When the  
controlling device finishes sending data on the link, it may address the plurality of  
10   embedded devices in a round robin format and may determine which device asserted the  
link request pin. The embedded device that asserted the link request pin may send an  
acknowledgement signal to the controlling device when it is addressed.